BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 3000000.00

Name of Work: Maintenance of Existing borewells at Village areas in Chowdeshwari ward no-02of Yelahanka Sub division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by meansns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD SR 2018-19 P. XLI Item No. 35 including of all taxes**									
	12.5 HP 25 Stage	Nos	8				**8**	56414.00	**451312.00**
2	Providing GI Pipe 50 mm 'B' Class **Page No. XLVII, Sl No. 1 PWD SR 2018-19**								
		m	8	130.00			**1040.00**	415.00	**431600.00**
3	Providing Collar 50 mm **Page No. XLVII, Sl No. 1 PWD SR 2018-19**								
		Nos	100				**100.00**	180.00	**18000.00**
4	Submersible Cable 1x3x6.0 Sq.mm **(PWD SR 2018-19 Page No. XLVII Sl No. 8)**								
		m	1x2	300.00			**600**	144.00	**86400.00**
5	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**								
	(240/6)=40.00	Per Length	8	300.00			**2400**	88.00	**211200.00**
6	Transportation of pumping machineries **(P. 94 / I. 12.34.H) RWS SR (2019-20)**								
		Each	38				38	1085.00	41230.00
7	Labour charges (over hauling) **(P. 94 / I. 12.34.K) RWS SR (2019-20)**								
		Each	38				38	3060.00	116280.00
8	A) Repairs to Motor: Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. **P No. 93 / I. No. 12.33) (RWS SR 2019-20)**								
	B) 10 HP Motor		38				38	4760.00	180880.00
	upto 5 HP 2500.00								
	for 10 HP (120 x 10) 1200.00								
	Total 3700								
	111.00								
	3811.00								

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Maintenance of exisiting borewells								
9	**B) Replacement of Motor Parts:**								
10	Starter 5 HP (with one year Guarantee) **P No. 93 / I No. 12.33.2C RWS SR (2019-20)**	Each	38				38	5535.00	**210330.00**
11	Rotor (with one year Guarantee) **P No. 93 / I No. 12.33.3C RWS SR (2019-20)**	Each	38				38	5175.00	**196650.00**
12	Upper Flange **(P No. 93 / I No. 12.33.3D RWS SR (2019-20)**	Each	38				38	400.00	**15200.00**
13	Lower Flange **(P No. 93 / I No. 12.33.3E RWS SR (2019-20)**	Each	38				38	400.00	**15200.00**
14	Upper Housing **(P No. 93 / I No. 12.33.3F RWS SR (2019-20)**	Each	38				38	724.00	**27512.00**
15	Lower Housing **(P No. 93 / I No. 12.33.3G RWS SR (2019-20)**	Each	38				38	724.00	**27512.00**
16	**Carbon housing** Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad. **P. No. 94 / I No.12.34.A RWS SR (2019-20)**	Each	38				38	1137.00	**43206.00**
17	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement.								
18	Oil Seal **P. No. 93 / I No.12.32.1C RWS SR (2019-20)**	Each	38				38	171.00	**6498.00**
19	Oil Seal Steel bush **P. No. 152 / I No.12.32.1D RWS SR (2019-20)**	Each	38				38	171.00	**6498.00**
20	Guide vane **P. No. 93 / I No.12.32.1E RWS SR (2019-20)**	Each	235				235	450.00	**105750.00**
21	Impeller Shell moulded with aluminium Bronze) **P. No. 93 / I No.12.32.1F RWS SR (2019-20)**	Each	235				235	682.00	**160270.00**
22	Discharge outlet (D.O) Bearing D.O Steel Bush **P. No. 93 / I No.12.32.1G RWS SR (2019-20)**	Each	38				38	640.00	**24320.00**
23	Steel bush (D.O steel bush) **P. No. 93 / I No.12.32.1I RWS SR (2019-20)**	Each	38				38	213.00	**8094.00**
24	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **P. No. 93 / I No.12.32.1K RWS SR (2019-20)**	Each	38				38	1281.00	**48678.00**
25	Non – return valve (NRV) assembly complete with rubber 'O' Ring **P. No. 93 / I No.12.32.1N RWS SR (2019-20)**	Each	38				38	315.00	**11970.00**
26	Cable Guard **P. No. 93 / I No.12.32.1O RWS SR (2019-20)**	Each	38				38	176.00	**6688.00**
27	Brass Filter **P. No. 93 / I No.12.32.1Q RWS SR (2019-20)**	Each	38				38	636.00	**24168.00**
28	Re-erection charges of pumping machineries including overhauling and pointing **P. No. 93 / I No.12.34.I RWS SR (2019-20)**	Each	38				38	1711.00	**65018.00**

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
								TOTAL	2540464.00
								GST 18% (PWD 2018-19 items)	457283.52
								Sub Total	2997747.52
								Miscellaneous	2252.48
								Total	3000000.00

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.

2 This Estimate is prepared as per C.S.R. of PWD 2018-19 PWD Elecrical 2017-18, PRED 2017 -18& RDED SR 2014-15 & SE RDED approved Rate.

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division
Bruhat Bangalore Mahanagara Palike

Executive Engineer
Yelahanka Division
Bruhat Bangalore Mahanagara Palike

Administrative Approval
Accorded For ...30.00 Lakhs
Head of A/C...P:3796...
CER NO :...07..... Dt:8/8/2022

TA CE (YLK)

Technical Sanction
Accorded For 30.00 Lakhs
Head of A/C...P:3796.....
CER NO :...45..... Dt:8/8/2022

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